

WATER MANAGEMENT MONTHLY REPORT

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Prepared by: U.S. Army Engineer Division, Great Lakes and Ohio River, PO Box 1159, Cincinnati, OH 45201-1159

RESERVOIR OPERATION AND SYSTEM STATUS FOR JANUARY 2004

HIGHLIGHTS – Cairo stage began the month at 31.1 feet and ended at 23.0 feet, having remained above 23 feet the entire month. Cairo stage crested at 40.4 feet on the 16th. Flood stage is 40.0 feet. Flooding occurred in Indiana, Ohio and along the lower Ohio River.

WEATHER –The weather during January was cool and wet. Temperatures averaged much below normal over much of the basin with the greatest departure from normal in the north and eastern areas of the basin. Temperatures were slightly above normal in the southern and south western areas of the basin. Precipitation was above normal over all areas north of the Ohio River with nearly double the normal in areas of Indiana, Ohio and some of Pennsylvania. Precipitation was well below expected normal south of the Ohio River particularly over Tennessee where large areas measured less than half the normal.

TEMPERATURE AND PRECIPITATION – JANUARY 2004

	TEMPERATURE		PRECIPITATION		
STATION	OBSERVED DEGREES F	DEPARTURE FROM NORMAL	OBSERVED INCHES	DEPARTURE FROM NORMAL	
Pittsburgh, PA	22.2	-5.3	4.78	+2.08	
Charleston, WV	30.9	-3.2	3.74	+0.49	
Columbus, OH	24.2	-4.2	5.08	+2.55	
Cincinnati, OH	27.7	-3.4	4.55	+1.63	
Louisville, KY	30.8	-2.2	4.74	+1.46	
Indianapolis, IN	25.2	-1.3	4.65	+2.17	
Evansville, IN	30.8	-0.2	2.95	+0.04	
Nashville, TN	38.6	+1.8	3.60	-0.37	

percent of normal at Huntington, WV to a high of 159 percent of normal at Evansville, IN. Daily flows ranged from a low of 30 percent of normal at Pittsburgh, PA to a high of 427 percent of normal at Pittsburgh, PA.

The following table presents the flow data summary for January at the Ohio River Index Stations:

FLOW DATA - JANUARY 2004

STATION	AVERAGE MONTHLY FLOW	PERCENT LONG-TERM NORMAL		
	CUBIC FEET/SECOND	MONTHLY	DAILY	
			HIGH	LOW
Pittsburgh, PA	56,700	131	427	30
Huntington, WV	145,000	129	341	45
Cincinnati, OH	213,000	156	345	54
Louisville, KY	264,000	156	307	45
Evansville, IN	305,000	159	288	68
Paducah, KY	520,000	132	193	69

RESERVOIRS -- January started with 2.7% utilization of the total system flood control storage and ended the month at 5.4%. System-wide augmentation storage started at 97.4% at the beginning of the month and was at 97.1% by the end of the month. Significant flood storage utilization in excess of 25 percent occurred at a number of projects during the month; Mahoning Ck., Crooked Ck., Loyalhanna, Berlin, Bolivar, Dillon, Piedmont, Delaware, Deer Ck., Caesar Ck., Harsha, West Fork Mill Ck., Brookville, Harden, Cagles Mill and Monroe. The following projects utilized in excess of 50 percent of flood control storage; Conemaugh 55 percent, Wills Ck 53 percent and Paint Ck. 54 percent.

The following table depicts storage change by tributary reservoir subsystem for January:

CHANGE IN STORAGE TRIBUTARY-RESERVOIR SUBSYSTEM	(ACRE-FEET)	
Allegheny-Monongahela-Beaver	-54,500	
Muskingum-Little Kanawha-Hocking-Kanawha-Guyandotte	-6,300	
Twelvepole-Big Sandy-Little Sandy-Scioto	-900	

Little Miami-Licking-Mill Creek-Great Miami	-14,100
Kentucky-Salt-Green-Wabash	-7,500
Cumberland	+494,400
TOTAL	+411,100

LYN C. RICHARDSON, P.E. Chief, Technical Engineering & Construction Div.